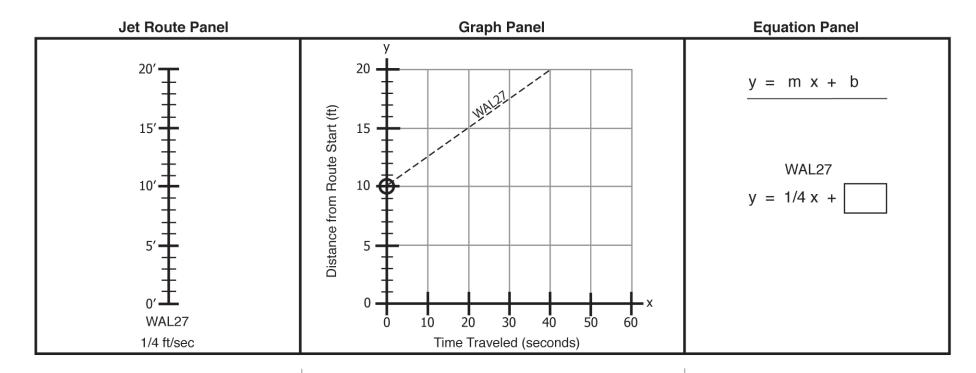


Student Assessment B

Analyzing the Starting Position of One Plane

1. Use the information given in the Graph Panel to do the problem below. You do *not* need to use the simulator.



Jet Route Panel:

(a) Place an **x** at the WAL27 starting position.

Equation Panel:

(b) Fill in the missing value in the WAL27 equation.



2. Use the information given in the Jet Route Panel to do the problem below. You do *not* need to use the simulator.

Jet Route Panel

Graph Panel

Equation Panel

$$y = m x + b$$

WAL27

$$y = 1/4 x +$$

15'
10'

**
5'
WAL27
1/4 ft/sec

Jet Route Panel: The WAL27 starting position is shown.

(a) What is the WAL27 starting position?

Graph Panel: One point for the WAL27 line is shown.

- (b) Plot one more point (●) for the WAL27 line.
- (c) Connect the two points to draw the WAL27 line.

Equation Panel:

(d) Fill in the missing value in the WAL27 equation.



3. Use the information given in the Equation Panel to do the problem below. You do *not* need to use the simulator.

Graph Panel Jet Route Panel Equation Panel 20' 20 y = m x + bDistance from Route Start (ft) 15 15' WAL27 10 10' y = 1/2 x + 4WAL27 40 30 20 Time Traveled (seconds) 1/2 ft/sec

Jet Route Panel:

(a) Place an **x** at the WAL27 starting position.

Graph Panel: One point for the WAL27 line is shown.

- (b) Plot one more point (●) for the WAL27 line.
- (c) Connect the two points to draw the WAL27 line.

Equation Panel: The WAL27 equation is shown.

(d) At time zero, what is the value of y?

Remember: At time zero, x = 0.